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ULTRAVIOLET FILTER COATING

Abstract of the Disclosure

The application discloses a two-layered coating system using an ultraviolet absorber in its inner layer (called the blocking layer), furthest away from the source of ultraviolet exposure, with a fluorescent material that reflects ultraviolet radiation back as blue light. The ultraviolet absorber in the inner layer is used in sufficient concentration to have an ultraviolet cutoff, which can be extended with the fluorescent material. The ultraviolet block material of the present invention has transmittance of the light within a range of wavelength of 300-380 nm of 10% or less, preferably transmittance of the light within a range of wavelength of 300-390 nm of 10% or less, and, particularly preferably, transmittance of the light within a range of 300-400 nm of 10% or less, while it has a transmittance of the light within a range of 420-800 nm wavelength of 90% or more, or, preferably, 95% or more.